

HINTS FOR FARMERS

Cause of Poor Milk.

The Swiss have come about as nearly reducing the dairy business to a science as any people on earth. It is said that they are very particular to preserve their milk so that it is kept from objectionable odors and flavors. Dr. Gerber, a well known Swiss scientist and chemist, has issued the following list of causes of poor milk for the information of his countrymen. The list is certainly very interesting to every dairyman in this country:

Poor, decayed fodder or irrational methods of feeding.

Poor and dirty water used as drinking water or for washing the udders.

Foul air in cow stables or the cows lying in their own dung.

Lack of cleanliness in milking or nature particles adhering to the udder.

Keeping the milk long in too warm, poorly ventilated places.

Neglecting to cool the milk rapidly directly after milking.

Lack of cleanliness in caring for the bulk, from which the greatest number of milk taints arise.

Cows diseased in any way, especially with udder diseases.

Cows in heat.

Mixing fresh and old milk in the same can.

Winter Plowing.

Because of the fact that the teams are in good condition, and for the further reason that they are apt to be idle at this season unless thus engaged, it is a good plan to plow the corn ground soon provided it is land that will not run together. I know there are objections to early plowing—some plant food will be leached out, some may be carried away by the winds—but, taking all things into consideration, I think the preponderance of evidence is in favor of early plowing on many soils. There will be fewer worms, the soil will hold moisture better by being more thoroughly pulverized and the corn will start better, both on account of the moisture and the fact that the freezing and thawing during the winter have made available so much plant food. If the land is steep, early plowing will make it wash worse and consequently should not be practiced.—W. D. Zinn in National Stockman.

The Colt's First Winter.

The first winter is the important time in a colt's life. If neglected then by want of feed, exposure or too close confinement, the loss can never be regained. The aim should be to keep the colt in good, growing condition from liberal feeding and plenty of exercise. Three quarts of crushed oats per day, a feed of boiled barley mixed when hot with bran four times a week and all the good hay it will eat, and, unless very stormy, it should have at least three hours' exercise every day in a yard or paddock. The surest way to ruin a colt is to keep it in a close box or stall all winter. Exercise is all important, as it grows bone and hardens the muscle.—Duncan Anderson before Canadian Institute.

Treating Unthrifty Trees.

When trees commence to show signs of unthriftness, a liberal application of barneyard manure will usually give them new vigor. It is the strong, vigorous tree that gives the most perfect fruit, and such trees are less liable to damage from insect or fungous pests. In the old orchard a half of a wagon load of manure around each tree is none too much. Scatter the manure out as far as the branches reach. If the litter is coarse, so much the better, as this will serve also as a mulch. If well rotted manure is used, work it into the soil with an orchard disk.

Tankage For Hogs.

The Iowa station has found that tankage can be profitably taken into the pig's ration. At the station the ration consisted of one part tankage to five of corn. In some states the ration has been as high as one part tankage to fifteen parts corn with excellent results. Several feeders make a mixture of tankage two parts, bran one part and ground oats one part and feed one part of this mixture to about eight to ten of corn.

Weigh the Milk.

Have a pair of scales in the stable and use them twice daily. If the cows drop off in milk, look for the reasons why. From year to year good cows will increase in number in the herd of the man that is always selling off his poorest cows and is raising calves from his best cows to take the place of the poor cows of which he disposes.—Holstein-Friesian Register.

Improving the Dairy Herd.

One of the quickest ways to improve the milking quality of the dairy herd is to select bulls from cows which are known to be record milkers. One authority says the milking qualities of a cow depend more upon her sire's mother than on her own. There is a great deal of truth in the statement.—Farmers Advocate.

Congested Udder.

When the cow is suffering with congested udder it is an excellent idea to dry her off at once and feed one-half ounce of saltpetre in the soft feed. Give plenty of clean water, feed pure and wholesome food and massage the udder once each day with a little iodine ointment.

Roughage For Idle Horses.

There is great economy in preparing cheap forage for horses during the winter, when they are not required to do much work. Out straw and corn stover make good roughage for idle horses, and they will keep well on it when given a little grain.

THE SPORTING WORLD

Skater Wood Turns Pro.

The announcement that Morris Wood has decided to cast his lot with the professional speed skaters in the future is being received with considerable satisfaction by the other amateur skaters of the east. Wood has been urged several times in the past to enter the professional skating ranks, and it was pointed out to him that he so far outclassed the other amateurs of the east as to make the winning of championship contests a foregone conclusion, barring falls or other accidents. Furthermore, he found it hard to secure races other than handicap affairs in metropolitan skating circles.



MORRIS WOOD.

and was obliged to invade Canadian and western fields in order to secure worthy competitors. Those trips have more than once cast suspicion on Wood's amateur status, and his decision to skate as a professional hereafter will clear the atmosphere considerably.

Another De Witt For Princeton.

Eastern college men who saw the work of Wallace De Witt, fullback for the Spokane high school team, champions of the northwest during the season just closed, predict that when he enters Princeton next fall he will prove a worthy successor to his cousin John R. De Witt, who won the game for Princeton against Yale in 1903.

Wallace De Witt is eighteen years old, weighs 171 pounds and stands within a fraction of six feet. He was good for one goal from the field in each of the two championship games in which the Spokane team competed, and he showed himself a strong line backer and capable in defensive and all round play. He kicked from two to four goals in other games.

De Witt is a native of Brooklyn, N. Y., where he was graduated from No. 32 public school, going from there to the Spokane high school. He will be graduated next June and prepare to enter Princeton next fall.

New Cup For Miss Sutton.

The directors of the tri-state lawn tennis tournament have voted to have made a trophy for Miss May Sutton, the California lawn tennis player, who won outright the bowl offered first in 1904. Miss Sutton's victory in September last gave her the trophy as her property, but the managers could not find the bowl. The donor of it died shortly before the tournament, and a search through his effects and various safety deposit vaults and the like failed to bring it to light. It was decided at length that all that could be done was to have another prize made. The first bowl, which cost the club nothing, was worth \$250. The committee voted to spend that sum in having a duplicate made. The committee will have to buy another for the future tournaments.

Longboat Reinstated.

The Canadian Athletic association has reinstated Thomas Longboat, the Indian runner, who was suspended by both the Canadian association and the Amateur Athletic union on charges of professionalism. The reason given for this action is that the Canadians desire to enter a team at the Olympic games in London next summer. Longboat would doubtless prove a winning card at the meet in London. It is not likely, however, that the Amateur Athletic union will remove the suspension against the Indian, in which case no American athlete could enter the race against him in London.

A New Water Sport.

The latest novelty in aquatic sports is an individual water polo competition, man against man, which the New York Swimming association expects to try on at some future meet. The value of such an event as an attraction is unquestionable, but it will be interesting to see what rules will govern the contest.

Allerton, 2:09 1/4.

Allerton, 2:09 1/4, is now credited with 170 sons and daughters that have made standard records, 129 of which are trotters. Only three stallions have sired a greater number of standard performers—viz, Onward, 195; Gambetta Wilkes, 192; and Red Wilkes, 176.

Cy Young.

Old Cy Young has seen more phenomena come and go than any other player in the business, and Cy today is as good as he ever was.

FOR THE HOUSEWIFE

Kitchen Hints.

Soak a cabbage in cold water for an hour at least before cooking and much of the disagreeable odor will be destroyed. The water in which it is cooked should be changed several times during the cooking to make the flavor more delicate.

Cauliflower is often so indigestible that many people cannot touch it. Cayenne pepper sprinkled on it while cooking is said to help this fault.

To destroy the "muttony" flavor from lamb dripping add white potato peelings while it is cooking down. This will rid the fat of that very strong and unpleasant flavor.

Old Fashioned Chicken Pie.

Cut chicken into small pieces and stew in salted water sufficient to cover until the meat begins to separate from the bones. Pick out the bones and put the meat into a large pudding dish. Season the gravy, then thicken with a little cornstarch. Add a lump of butter and pour the gravy over the chicken. Make a rich baking powder biscuit dough, spread it with the hands until large enough to cover the pie, place it on the meat and cut a large cross in the middle of the crust. Bake until a rich golden brown—forty-five minutes to one hour.

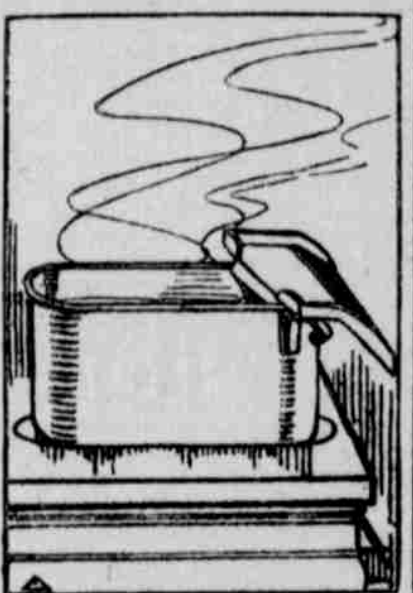
Warm Little One's Bed.

Always warm the bed of a child before he enters it, especially when the weather is cold. Many children suffer from enfeebled vitality, especially those who study hard and whose appetites are poor, and to such it is simply torture to enter a cold bed or to be in a cold room.

A hot water bag or else a hot brick wrapped in flannel will not only remove the immediate discomfort, but will also serve to induce sleep, which under other conditions would be quite unattainable.

Wash Boiler Attachment.

An attachment for wash boilers for preventing splashing and spilling of water on the floor or stove when the clothes are placed into or removed from the boiler is the recent invention of a Chicago man. The attachment is in the form of a removable



DEADENING DEVICE.

drain device so constructed that it can be readily attached to an ordinary wash boiler. When so attached, as shown in the illustration, it catches the drip from the clothes and drains it into the tub or other vessel employed for the purpose. By reason of its simplicity of construction this attachment deserves the attention of all housewives. By preventing the dirty drip water falling on the floor, ruining the floor covering and necessitating cleaning the floor after the wash, it would soon pay for its cost.

To Make Face Bleach.

One ounce each of glycerin and rectified spirits, three drams of pure citric acid and four ounces of strained honey. Put the citric acid with the rectified spirits in a basin set into hot water place the honey and glycerin. As soon as these are thinned and mingled remove the basin from the heat and stir in the spirits. Perfume with a few drops of rose essence. To use, massage into the face at night and again in the morning.

To Clear Glatern Water.

When clear water has become unfit for use take one pound of pulverized alum, dissolve it in one quart of water and after pouring it into the cistern stir thoroughly with a long pole. This should be done toward evening. The next morning add one pound of borax and stir again. Allow from ten to twenty hours to settle. This will render the water perfectly clear and pure regardless of its former condition.

Care of Bread.

As soon as baked remove the loaves from the pans and place them on a wire cake cooler. If this is not at hand, rest one end of the loaf on a piece of brown paper and the other on the edge of the bread pan. Do not put away until thoroughly cold.

The bread tin or jar should be washed twice a week in winter and every other day in summer.

Relief For Croup.

Half a cup of lard, a tablespoonful of turpentine; melt lard; add turpentine; let cool. Take piece of flannel, cut out place for the neck, spread thick with cold mixture. Place over the lungs; also a piece of flannel around throat with more mixture.

Cough Medicine.

Take a large carrot or a large black radish. Cut off top and scrape out the portion inside. Fill with rock candy and when dissolved give a teaspoonful every hour to the baby if he coughs.

PEOPLE OF THE DAY

The Republican Chieftain.

Captain Harry S. New of Indiana, who was recently elected chairman of the Republican national committee, has been acting in that capacity since the retirement of Mr. Cortelyou in March, 1905.

Since 1900 Captain New has been Indiana's representative on the Republican national committee. In that year he was made a member of the executive committee by Chairman Marcus



HARRY S. NEW.

A. Hanna, an unusual honor for a first term member of the national party organization. In the campaign of 1904 he had charge of the western headquarters.

Captain New is a newspaper man and for several years published the Indianapolis Journal. He won his military title in the Spanish war, in which he served as assistant adjutant general of the Third brigade. He is about fifty years old.

Loeb's Little Joke.

Secretary William Loeb, who carries as many official secrets under a tall silk hat as any other man in Washington, walked back to the White House offices the other day, smiling in spite of the fact that he had been visiting the dentist.

"You must have had a good time," was suggested to him.

"The dentist told me I kept my mouth open too wide," said the faithful secretary, "and I told him it was the first time I had ever been accused of it."

The Most Suspicious Ever.

Henry Clews, the banker and author, was talking at the Union club in New York about a certain financier.

"No wonder the man is so successful," said Mr. Clews. "He is the most careful, the most suspicious, fellow I ever heard of. In fact, he reminds me of a Staffordshire farmer: my father used to tell of."

"It was said of this farmer that whenever he bought a herd of sheep he examined each sheep closely to make sure that it had no cotton in it."

De Armond of Missouri.

Congressman David A. De Armond, whose recent physical discussion with Minority Leader Williams on the floor of the house was the sensation of the opening days of congress, is serving his ninth consecutive term to the national legislature.

During his long service in the house Mr. De Armond has risen steadily until he is rated as one of the best equipped members of either branch of congress. It has been said of him



DAVID A. DE ARMOND.

that he is not only a strong but a fierce debater, and there are few who have crossed swords with him and retired victorious.

Besides being a brilliant speaker, he is a champion of the rights of the house against infringement by the senate. A master of sarcasm, he is a steadfast defender of the faith of the constitution. On one occasion he was pointing out that unless the constitution framers were mistaken and the lesson of the Revolution had been lost the power of the house in originating revenue bills is real instead of a shadow.

"The senate is made up in the main of very eminent men," said De Armond. "Most of them derive their lineage from the house of representatives. They would make a virtuous oligarchy, I don't not, but I do not believe that the American people are yet prepared to have it written as the preamble to their laws. It is enacted by the senate of the United States in executive session assembled."

FOR THE CHILDREN

A Perfect Vacuum.

If your teacher of physics ever asks you whether or not a perfect vacuum has ever been produced, you may answer that it has, and then, to the astonishment of both him and your classmates, perhaps, you may explain how, says the Chicago News. It was produced by an American scientist, Professor Yates of Washington, and this is how he did it: He took a tube of glass closed at one end, the glass being of a kind that melts only at a very high temperature. Into this he poured molten glass of a kind that melts at a comparatively low temperature. After this had cooled, making a solid mass that completely filled the tube, he attached a suction pump to the open end of the tube and then applied heat until the softer glass inside was completely melted, when he drew that out by means of the pump, leaving just enough to completely close the end of the tube. Then he allowed the tube to cool, and as no air could possibly enter the space left vacant by the withdrawal of the molten glass it is believed that a perfect vacuum was produced there.

Picture Frame Game.

Four people form the "picture frame" by standing at the four corners of an oblong space, the fifth person makes the picture, while the others as an audience decide what the pose shall be and sit about to view it, trying to make the one in the frame laugh. The one who is posing stays in the frame, changing the poses to suit the demands, until he or she is made to laugh. The one who has made the remark which caused the other to laugh now is the picture, while the frame is changed and four other people form it.

At first the audience will in their properness demand dignified pictures, but as the fun grows and the remarks are sillier less grownup pictures, such as a "lame duck" and a "runaway horse," will suffice. The most sedate will give way before such ridiculous poses as these, and the fun and frolic will be unrestrained.

Our Forty-six Starred Banner.

On July 4, 1908, the new starry emblem of this country, the forty-six starred banner of the free, the American flag containing the additional star representing the new state, Oklahoma, will be unfurled to the breeze.

Rearrangement of the entire starry portion of the flag will be necessary to provide for the additional star.

The state emblems of the present, forty-five in number, are placed in six alternate rows of eight and seven. The new star when added will necessitate making up as follows: Top row, eight stars; second row, seven; third row, eight; fourth row, eight; fifth row, seven; sixth row, eight.

Entertainment For a Party.

A correspondent of the Boston Globe describes a dance in which she took part many years ago at an entertainment. The writer says: "When I was a young girl I was one of eight young people who dressed themselves exactly 'backward' and danced a plain quadrille on the stage of our parish hall for the edification of the audience, and I assure you it caused no end of merriment. Our dresses were put on hind side before, and our hair was pulled over our faces, with a mask fastened to the back of our heads. The effect of dancing dressed like this is simply side splitting."

Can You Say This Quickly?

I put my pretty pats in a pretty power in a pretty power pot I put my pretty pats.

A Sailing Party.

We had a sailing party at our house the other day. We sailed to funny places. You can do that when it's a play. You see, it was my birthday, and 'twas such a funny fix. The boys and girls invited all just numbered twenty-six. We only had a little time to think about our trips. And where we'd send them sailing and how to load their ships. Amanda went to Africa with alligator pears. And Benny to Bulgaria with buttercups and bears. Camilla chose Colombia with cats and currant cakes. Then Donald for the Dardanelles sailed off with ducks and drakes. Wee Wee was for England bent with elephants and eyes. And Fanny far to Florida with fancy work and flies. Grace sent her ship to Germany with gingerbread and gum. And Harry hid to Halifax with honey, hives and hum. To India went Isabel with ice and with ill. John that was it to Jericho with jumping jacks and jills. Kate started out to Keokuk with kangaroos and kites. And Lawrence up to Labrador with lightning rods and lighs. May's ship was aimed for Michigan with money and the matts. And Nellie off to Novgorod with nettles and with nails. Olivia to Oporto passed with oshakes and owls. And Peter to Palermo's port with pumpkins and peas. Tall Quennie went off to Quebec with quinine and with quills. And Ralph was loaded up for Rome with rattlesnakes and rills. Samantha steered for Sandy Hook with sardines and sacks. Tom followed, bound for Tarrytown, with turning lathes and laths. Then Una took some umbrellas and urns to Uruguay. With valentines to Venice Victor proudly sailed away. Wile William went to Washington with wagons and with whips. On the next one mother helped us—'twas the hardest of our trips. She said Xerxes with "Xcelator" to Xupa sailed his ships. Yolande with some yellow dogs sought Yiddish port afloat. And Zenas last, with zebras, flushed up at Zanibar. Of course my mother helped us some to fit our ships and names, but even so we thought it was the very best of games.

—Youth's Companion.

THE SECRETS

"But how is it that you know more than the rest of the world?"

"I was there when it happened," Miss Artols quietly replied, "but to this day they have not the slightest suspicion that Miss Artols is an acquaintance."

Belle Hampton opened her eyes wide. "What on earth do you mean, Blanche?" she exclaimed.

"Only that I was there as parlor maid," Miss Artols coolly responded, her haughty eye sweeping the magnificent wealth of the handsome conservatory through which they were sauntering.

"As parlor maid?" echoed Belle, up-setting a rare exotic as she hastily turned to look at her companion. "A parlor maid! What would mamma say?"

At this a little ripple of laughter parted Miss Artols' handsomely curved lips, but the next moment she said gravely:

"You need not tell her. I am in the confessional to you alone, remember." And then she continued abruptly:

"When the world said I was rusticated among the Yorkshire hills I was playing parlor maid at Red Moor. Wherefore? That is my secret."

"The three old ladies of Red Moor reminded me more of three little sprites than aught else. When properly disguised, aproned and capped I was presented for their approval. But, fortunately for me, their keen, bright eyes rested favorably upon me, and with my good star in the ascendant I entered upon the somewhat promiscuous duties assigned me."

"I had not been in the house three weeks before I discovered that it concealed a mystery."

"The discovery was made by me in this way: One night, after restlessly tossing for hours with an aching face, I rose, intending to go down to the library fire."

"I softly crossed the upper hall, always kept dimly lighted, and was about proceeding downward when the weird sight of old Mrs. Vasser, the eldest of my three mistresses, suddenly arrested me."

"Instinctively I paused and gazed. She was standing with her back toward me in a dark, narrow angle of the building at the extreme end of the hall, her splendid waves of snowy hair floating in wild disorder over the blood red dressing gown sweeping far behind her. But the spell blinding me was broken by what appeared to be her sudden disappearance through the solid wall."

"'Strange!' I exclaimed under my breath. The servants told me that part of Red Moor was fearfully haunted and consequently had been walled off and rendered wholly inaccessible."

"Of course I was curious, but I returned to my bed and fell asleep."

"A month later I was passing along one of the many narrow, winding corridors with which the house abounded when at a sudden turning I came upon the old, gray headed butler bending under the weight of a large tray filled to overflowing with all the luxuries of the season."

"'Jasper!' I involuntarily exclaimed. 'Where in the world are you taking that repast? Everybody in the house has been served.'"

"Silent and motionless, he stood gazing at me in blank dismay. The next instant there was a soft rustle of silk, and the old housekeeper's voice rang sharp and stern from the other end of the corridor:

"'Jasper, attend to your business! Myra, come here,' adding still more sternly as I obediently approached, 'and do you attend to yours, girl. What brings you here at this hour?'"

"She listened to my excuses and then sharply dismissed me."

"Two days after as Bradley and I slipped our tea together we were startled to our feet by the sudden clanking of heavy chains in the adjoining room, and the next instant the door flew violently open, and an old man of herculean proportions dashed in upon us, his trailing chain, wild, bloodshot eyes and disordered apparel proclaiming too plainly the frightful truth."

"'Not here either!' he shrieked, stamping his foot in foaming rage as his glance swept upon us. 'Not here! Not here!'"

"Bradley, apparently paralyzed with horror, looked appealingly at me and said:

"'Your mistresses! Save them! Run! I got to the drawing room door when the creature seized me by the shoulders and sent me whirling to the floor. I was on my feet again in an instant, but his wild eye had caught sight of poor Mrs. Vasser, who, with her sisters, had started up and stood gazing at him in petrified horror. The next instant he caught her, with a fierce shout of triumph and delight, in his arms."

"Swift as lightning he bore her out to the great winding staircase. You know the rest. In a second's time she lay dead below, and he in leaping over the balustrade to gloat over his fearful work lost his balance, and before the hurrying servants could reach their poor mistress he lay with a broken neck upon the stairs."

"He was Albert Vasser, her husband, but pride kept and still keeps the Red Moor secret well. To this day the world thinks the maniac was a wanderer from some asylum."

Weak.

"Ah," exclaimed the new boarder as he put down his empty cup, "that's quite a good idea!"

"Yes?" replied Mrs. Starven patronizingly. "Then you haven't been accustomed to begin your dinner with something served in a cup, eh?"

"No, ma'am? Why, I thought it was better water to prevent dyspepsia."—Philadelphia Press.